

ABSTRACT OF THE DISCLOSURE

A characteristic amount calculating device for soldering inspection. The characteristic amount calculating device includes a design information inputting section for inputting design information of an inspection object, an inspection standard inputting section for inputting an inspection standard, a solder shape calculating section for calculating shape information of a solder fillet according to the design information, and an inspection image calculating section for calculating an inspection image according to the shape information. The characteristic amount calculating device further includes a characteristic amount calculating section for calculating a characteristic amount from the inspection image, a solder shape defective/nondefective determinating section for determining whether the solder shape is defective or nondefective from the shape information by using the inspection standard, and a characteristic amount outputting section for displaying or outputting the characteristic amount and a result of defective/nondefective determination.